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=> s platinum and label?  
L1 12545 PLATINUM AND LABEL?  
  
=> s l1 and ethylene diamine  
L2 278 L1 AND ETHYLENE DIAMINE  
  
=> s l2 and nucleotide  
L3 99 L2 AND NUCLEOTIDE  
  
=> s l3 and marker

L4 50 L3 AND MARKER  
=> s 14 and label? (2a) nucleotide  
L5 19 L4 AND LABEL? (2A) NUCLEOTIDE  
=> dup rem 15  
PROCESSING COMPLETED FOR L5  
L6 19 DUP REM L5 (0 DUPLICATES REMOVED)

-> d 16 bib abs 1-19

L6 ANSWER 1 OF 19 USPATFULL on STN  
AN 2003:219681 USPATFULL  
TI Methods and compositions for detecting target sequences  
IN Lyamichev, Victor, Madison, WI, UNITED STATES  
Neri, Bruce P., Madison, WI, UNITED STATES  
Hall, Jeff, Madison, WI, UNITED STATES  
Lukowiak, Andrew A., Stoughton, WI, UNITED STATES  
PI US 2003152971 A1 20030814  
AI US 2002-290386 A1 20021107 (10)  
RLI Continuation-in-part of Ser. No. US 2000-713601, filed on 15 Nov 2000,  
PENDING Continuation-in-part of Ser. No. US 1999-350309, filed on 9 Jul  
1999, GRANTED, Pat. No. US 6348314 Division of Ser. No. US 1996-756386,  
filed on 26 Nov 1996, GRANTED, Pat. No. US 5985557  
PRAI WO 1998-US5809 19980324  
WO 1997-US1072 19970122

09567863

US 2001-344946P 20011107 (60)  
US 2002-361060P 20020227 (60)  
DT Utility  
FS APPLICATION  
LREP MEDLEN & CARROLL, LLP, Suite 350, 101 Howard Street, San Francisco, CA,  
94105  
CLMN Number of Claims: 53  
ECL Exemplary Claim: 1  
DRWN 170 Drawing Page(s)  
LN.CNT 16700

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to compositions and methods for the detection and characterization of nucleic acid sequences and variations in nucleic acid sequences. The present invention relates to methods for forming a nucleic acid cleavage structure on a target sequence and cleaving the nucleic acid cleavage structure in a site-specific manner. For example, in some embodiments, a 5' nuclease activity from any of a variety of enzymes is used to cleave the target-dependent cleavage structure, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 2 OF 19 USPATFULL on STN  
AN 2003:64675 USPATFULL  
TI Reactions on dendrimers  
IN Neri, Bruce P., Madison, WI, UNITED STATES  
Hall, Jeff G., Madison, WI, UNITED STATES  
Lyamichev, Victor, Madison, WI, UNITED STATES  
Smith, Lloyd M., Madison, WI, UNITED STATES  
PI US 200304796 A1 20030306  
AI US 2001-940244 A1 20010827 (9)  
RLI Continuation-in-part of Ser. No. US 2000-732622, filed on 8 Dec 2000,  
PENDING Continuation-in-part of Ser. No. US 1999-350309, filed on 9 Jul  
1999, GRANTED, Pat. No. US 6348314 Division of Ser. No. US 1996-756386,  
filed on 26 Nov 1996, GRANTED, Pat. No. US 5985557 Division of Ser. No.  
US 2000-381212, filed on 8 Feb 2000, PENDING A 371 of International Ser.  
No. WO 1998-US5809, filed on 24 Mar 1998, UNKNOWN  
DT Utility  
FS APPLICATION  
LREP David A. Casimir, MEDLEN & CARROLL, LLP, Suite 350, 101 Howard Street,  
San Francisco, CA, 94104  
CLMN Number of Claims: 38  
ECL Exemplary Claim: 1  
DRWN 210 Drawing Page(s)  
LN.CNT 15736

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to compositions and methods for the detection and characterization of nucleic acid sequences and variations in nucleic acid sequences. The present invention relates to methods for forming a nucleic acid cleavage structure on dendrimers and cleaving the nucleic acid cleavage structure in a site-specific manner. For example, in some embodiments, a 5' nuclease activity from any of a variety of enzymes is used to cleave the target-dependent cleavage structure, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 19 USPATFULL on STN  
AN 2003:17346 USPATFULL  
TI Nucleic acid detection employing charged adducts

09567863

IN Brow, Mary Ann D., Madison, WI, UNITED STATES  
Grotelueschen Hall, Jeff Steven, Madison, WI, UNITED STATES  
Lyamichev, Victor, Madison, WI, UNITED STATES  
Olive, David Michael, Madison, WI, UNITED STATES  
Prudent, James Robert, Madison, WI, UNITED STATES  
PI US 2003013098 A1 20030116  
AI US 2002-74328 A1 20020212 (10)  
RLI Continuation of Ser. No. US 1999-333145, filed on 14 Jun 1999, PENDING  
Continuation of Ser. No. US 1996-682853, filed on 12 Jul 1996, GRANTED,  
Pat. No. US 6001567 Continuation-in-part of Ser. No. US 1996-599491,  
filed on 24 Jan 1996, GRANTED, Pat. No. US 5846717  
DT Utility  
FS APPLICATION  
LREP MEDLEN & CARROLL, LLP, Suite 350, 101 Howard Street, San Francisco, CA,  
94105  
CLMN Number of Claims: 52  
ECL Exemplary Claim: 1  
DRWN 82 Drawing Page(s)  
LN.CNT 7454

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to means for the detection and characterization of nucleic acid sequences, as well as variations in nucleic acid sequences. The present invention also relates to methods for forming a nucleic acid cleavage structure on a target sequence and cleaving the nucleic acid cleavage structure in a site-specific manner. The 5' nuclease activity of a variety of enzymes is used to cleave the target-dependent cleavage structure, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof. The present invention further relates to methods and devices for the separation of nucleic acid molecules based by charge.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 4 OF 19 USPATFULL on STN  
AN 2003:129820 USPATFULL  
TI FEN-1 endonucleases, mixtures and cleavage methods  
IN Kaiser, Michael W., Madison, WI, United States  
Lyamichev, Victor I., Madison, WI, United States  
Lyamicheva, Natasha, Madison, WI, United States  
PA Third Wave Technologies, Inc., Madison, WI, United States (U.S.  
corporation)  
PI US 6562611 B1 20030513  
WO 9823774 19980604  
AI US 1999-308825 19991008 (9)  
WO 1997-US21783 19971126  
19991008 PCT 371 date  
RLI Continuation of Ser. No. US 1996-757653, filed on 29 Nov 1996, now  
patented, Pat. No. US 5843669 Continuation of Ser. No. US 1996-758314,  
filed on 2 Dec 1996, now patented, Pat. No. US 6090606  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Patterson, Jr., Charles L.  
LREP Medlen & Carroll, LLP  
CLMN Number of Claims: 47  
ECL Exemplary Claim: 1  
DRWN 198 Drawing Figure(s); 185 Drawing Page(s)  
LN.CNT 13398

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to means for the detection and characterization of nucleic acid sequences, as well as variations in nucleic acid sequences. The present invention also relates to improved cleavage means for the detection and characterization of nucleic acid

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sequences. Structure-specific nucleases derived from a variety of thermostable organisms are provided. These structure-specific nucleases are used to cleave target-dependent cleavage structures, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 5 OF 19 USPATFULL on STN  
AN 2003:115740 USPATFULL  
TI FEN-1 endonuclease, mixtures and cleavage methods  
IN Kaiser, Michael W., Madison, WI, United States  
Lyamichev, Victor I., Madison, WI, United States  
Lyamicheva, Natasha, Madison, WI, United States  
PA Third Wave Technologies, Inc., Madison, WI, United States (U.S.  
corporation)  
PI US 6555357 B1 20030429  
AI US 2000-684938 20001006 (9)  
RLI Division of Ser. No. US 308825 Continuation of Ser. No. US 1996-757653,  
filed on 29 Nov 1996, now patented, Pat. No. US 5843669 Continuation of  
Ser. No. US 1996-758314, filed on 2 Dec 1996, now patented, Pat. No. US  
6090606

DT Utility  
FS GRANTED

EXNAM Primary Examiner: Patterson, Jr., Charles L.  
LREP Medlen & Carroll, LLP  
CLMN Number of Claims: 8  
ECL Exemplary Claim: 1  
DRWN 219 Drawing Figure(s); 185 Drawing Page(s)  
LN.CNT 13235

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to means for the detection and characterization of nucleic acid sequences, as well as variations in nucleic acid sequences. The present invention also relates to improved cleavage means for the detection and characterization of nucleic acid sequences. Structure-specific nucleases derived from a variety of thermostable organisms are provided. These structure-specific nucleases are used to cleave target-dependent cleavage structures, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 6 OF 19 USPATFULL on STN  
AN 2002:343897 USPATFULL  
TI Nucleic acid detection assays  
IN Prudent, James R., UNITED STATES  
Hall, Jeff G., Madison, WI, UNITED STATES  
Lyamichev, Victor I., Madison, WI, UNITED STATES  
D. Brow, Mary Ann, Madison, WI, UNITED STATES  
Dahlberg, James E., Madison, WI, UNITED STATES  
PI US 2002197623 A1 20021226  
AI US 2002-81806 A1 20020222 (10)  
RLI Continuation of Ser. No. US 2001-982667, filed on 18 Oct 2001, PENDING  
Continuation of Ser. No. US 1999-350309, filed on 9 Jul 1999, GRANTED,  
Pat. No. US 6348314 Division of Ser. No. US 1996-756386, filed on 26 Nov  
1996, GRANTED, Pat. No. US 5985557 Continuation-in-part of Ser. No. US  
1996-682853, filed on 12 Jul 1996, GRANTED, Pat. No. US 6001567  
Continuation-in-part of Ser. No. US 1996-599491, filed on 24 Jan 1996,  
GRANTED, Pat. No. US 5846717  
DT Utility  
FS APPLICATION

09567863

LREP MEDLEN & CARROLL, LLP, Suite 350, 101 Howard Street, San Francisco, CA,  
94105

CLMN Number of Claims: 25

ECL Exemplary Claim: 1

DRWN 90 Drawing Page(s)

LN.CNT 8311

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to means for the detection and characterization of nucleic acid sequences, as well as variations in nucleic acid sequences. The present invention also relates to methods for forming a nucleic acid cleavage structure on a target sequence and cleaving the nucleic acid cleavage structure in a site-specific manner. The structure-specific nuclease activity of a variety of enzymes is used to cleave the target-dependent cleavage structure, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 7 OF 19 USPATFULL on STN

AN 2002:329806 USPATFULL

TI Invasion assays

IN Hall, Jeff G., Madison, WI, UNITED STATES

Lyamichev, Victor I., Madison, WI, UNITED STATES

Mast, Andrea L., Madison, WI, UNITED STATES

Brow, Mary Ann D., Madison, WI, UNITED STATES

PI US 2002187486 A1 20021212

AI US 2001-33297 A1 20011102 (10)

RLI Continuation of Ser. No. US 1999-350597, filed on 9 Jul 1999, PENDING  
Continuation of Ser. No. US 1997-823516, filed on 24 Mar 1997, GRANTED,  
Pat. No. US 5994069 Continuation-in-part of Ser. No. US 1996-756038,  
filed on 26 Nov 1996, ABANDONED Continuation-in-part of Ser. No. US  
1996-756386, filed on 26 Nov 1996, GRANTED, Pat. No. US 5985557  
Continuation-in-part of Ser. No. US 1996-682853, filed on 12 Jul 1996,  
GRANTED, Pat. No. US 6001567 Continuation-in-part of Ser. No. US  
1996-599491, filed on 24 Jan 1996, GRANTED, Pat. No. US 5846717

DT Utility

FS APPLICATION

LREP MEDLEN & CARROLL, LLP, Suite 350, 101 Howard Street, San Francisco, CA,  
94105

CLMN Number of Claims: 34

ECL Exemplary Claim: 1

DRWN 121 Drawing Page(s)

LN.CNT 10560

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to means for the detection and characterization of nucleic acid sequences, as well as variations in nucleic acid sequences. The present invention also relates to methods for forming a nucleic acid cleavage structure on a target sequence and cleaving the nucleic acid cleavage structure in a site-specific manner. The structure-specific nuclease activity of a variety of enzymes is used to cleave the target-dependent cleavage structure, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof. The present invention further relates to methods and devices for the separation of nucleic acid molecules based on charge. The present invention also provides methods for the detection of non-target cleavage products via the formation of a complete and activated protein binding region. The invention further provides sensitive and specific methods for the detection of human cytomegalovirus nucleic acid in a sample.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

09567863

L6 ANSWER 8 OF 19 USPATFULL on STN  
AN 2002:287533 USPATFULL  
TI Methods for **labeling** nucleotides, **labeled**  
nucleotides and useful intermediates  
IN Houthoff, Hendrick Jan, Amsterdam, NETHERLANDS  
Reedijk, Jan, Leiden, NETHERLANDS  
Jelsma, Tinka, Almere, NETHERLANDS  
Heetebrij, Robert Jochem, Utrecht, NETHERLANDS  
Volkers, Herman Hendricus, Monnickendam, NETHERLANDS  
PI US 2002160396 A1 20021031  
AI US 2002-47874 A1 20020114 (10)  
RLI Division of Ser. No. US 1999-402707, filed on 8 Oct 1999, GRANTED, Pat.  
No. US 6338943  
PRAI EP 1996-202792 19961008  
WO 1997-NL559 19971008  
DT Utility  
FS APPLICATION  
LREP HOFFMANN & BARON, LLP, 6900 JERICHO TURNPIKE, SYOSSET, NY, 11791  
CLMN Number of Claims: 22  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 786  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention provides a **labeled nucleotide**  
having formula: ##STR1##

where X is an aliphatic diamine, and the **labeling** moiety  
comprises a **label** and a spacer, where the spacer is coupled at  
one end to a **platinum** atom and at the other end to the  
**label**, which spacer comprises a chain having at least four  
atoms. The invention further provides a method for **labeling** a  
**nucleotide**, kits for **labeling** a **nucleotide**,  
and kits containing **labeled** nucleotides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 9 OF 19 USPATFULL on STN  
AN 2002:66847 USPATFULL  
TI Integrated active flux microfluidic devices and methods  
IN Quake, Stephen R., San Marino, CA, UNITED STATES  
Chou, Hou-Pu, Foster City, CA, UNITED STATES  
PA California Institute of Technology (U.S. corporation)  
PI US 2002037499 A1 20020328  
AI US 2001-875438 A1 20010605 (9)  
RLI Continuation-in-part of Ser. No. US 2000-724548, filed on 28 Nov 2000,  
PENDING  
PRAI US 2000-209243P 20000605 (60)  
US 2000-211309P 20000613 (60)  
US 2000-249360P 20001116 (60)  
DT Utility  
FS APPLICATION  
LREP DARBY & DARBY P.C., 805 Third Avenue, New York, NY, 10022  
CLMN Number of Claims: 92  
ECL Exemplary Claim: 1  
DRWN 23 Drawing Page(s)  
LN.CNT 5304  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The invention relates to a microfabricated device for the rapid  
detection of DNA, proteins or other molecules associated with a  
particular disease. The devices and methods of the invention can be used  
for the simultaneous diagnosis of multiple diseases by detecting

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molecules (e.g. amounts of molecules), such as polynucleotides (e.g., DNA) or proteins (e.g., antibodies), by measuring the signal of a detectable reporter associated with hybridized polynucleotides or antigen/antibody complex. In the microfabricated device according to the invention, detection of the presence of molecules (i.e., polynucleotides, proteins, or antigen/antibody complexes) are correlated to a hybridization signal from an optically-detectable (e.g. fluorescent) reporter associated with the bound molecules. These hybridization signals can be detected by any suitable means, for example optical, and can be stored for example in a computer as a representation of the presence of a particular gene. Hybridization probes can be immobilized on a substrate that forms part of or is exposed to a channel or channels of the device that form a closed loop, for circulation of sample to actively contact complementary probes. Universal chips according to the invention can be fabricated not only with DNA but also with other molecules such as RNA, proteins, peptide nucleic acid (PNA) and polyamide molecules.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 10 OF 19 USPATFULL on STN  
AN 2002:60914 USPATFULL  
TI Methods and systems for molecular fingerprinting  
IN Quake, Stephen R., San Marino, CA, UNITED STATES  
Chou, Hou-Pu, Foster City, CA, UNITED STATES  
PA California Institute of Technology, Inc. (U.S. corporation)  
PI US 2002034748 A1 20020321  
AI US 2001-826373 A1 20010404 (9)  
RLI Continuation-in-part of Ser. No. US 1997-932774, filed on 23 Sep 1997,  
GRANTED, Pat. No. US 6221654 Continuation-in-part of Ser. No. US  
1999-325667, filed on 21 May 1999, PENDING  
PRAI US 2000-194422P 20000404 (60)  
DT Utility  
FS APPLICATION  
LREP DARBY & DARBY, 805 THIRD AVENUE, 27TH FLR., NEW YORK, NY, 10022  
CLMN Number of Claims: 55  
ECL Exemplary Claim: 1  
DRWN 13 Drawing Page(s)  
LN.CNT 3813

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates in general to a method for molecular fingerprinting. The method can be used for forensic identification (e.g. DNA fingerprinting, especially by VNTR), bacterial typing, and human/animal pathogen diagnosis. More particularly, molecules such as polynucleotides (e.g. DNA) can be assessed or sorted by size in a microfabricated device that analyzes the polynucleotides according to restriction fragment length polymorphism. In a microfabricated device according to the invention, DNA fragments or other molecules can be rapidly and accurately typed using relatively small samples, by measuring for example the signal of an optically-detectable (e.g., fluorescent) reporter associated with the polynucleotide fragments.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 11 OF 19 USPATFULL on STN  
AN 2002:254176 USPATFULL  
TI Detection of nucleic acids by multiple sequential invasive cleavages 02  
IN Hall, Jeff G., Madison, WI, United States  
Lyamichev, Victor I., Madison, WI, United States  
Mast, Andrea L., Madison, WI, United States  
Brow, Mary Ann D., Madison, WI, United States  
PA Third Wave Technologies, Inc, Madison, WI, United States (U.S.)

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corporation)

PI US 6458535 B1 20021001  
AI US 1999-350597 19990709 (9)

RLI Continuation of Ser. No. US 1997-823516, filed on 24 Mar 1997, now patented, Pat. No. US 5994069 Continuation-in-part of Ser. No. US 1996-759038, filed on 2 Dec 1996, now patented, Pat. No. US 6090543 Continuation-in-part of Ser. No. US 1996-756386, filed on 26 Nov 1996, now patented, Pat. No. US 5085557 Continuation-in-part of Ser. No. US 1996-682853, filed on 12 Jul 1996, now patented, Pat. No. US 6001567 Continuation-in-part of Ser. No. US 1996-599491, filed on 24 Jan 1996, now patented, Pat. No. US 5846717, issued on 8 Dec 1998

DT Utility  
FS GRANTED

EXNAM Primary Examiner: Jones, W. Gary; Assistant Examiner: Souaya, Jehanne  
LREP Medlen & Carroll, LLP  
CLMN Number of Claims: 27  
ECL Exemplary Claim: 1  
DRWN 170 Drawing Figure(s); 128 Drawing Page(s)  
LN.CNT 13831

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to means for the detection and characterization of nucleic acid sequences, as well as variations in nucleic acid sequences. The present invention also relates to methods for forming a nucleic acid cleavage structure on a target sequence and cleaving the nucleic acid cleavage structure in a site-specific manner. The structure-specific nuclease activity of a variety of enzymes is used to cleave the target-dependent cleavage structure, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof. The present invention further relates to methods and devices for the separation of nucleic acid molecules based on charge. The present invention also provides methods for the detection of non-target cleavage products via the formation of a complete and activated protein binding region. The invention further provides sensitive and specific methods for the detection of human cytomegalovirus nucleic acid in a sample.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 12 OF 19 USPATFULL on STN  
AN 2002:34297 USPATFULL  
TI Invasive cleavage of nucleic acids  
IN Prudent, James R., Madison, WI, United States  
Hall, Jeff G., Madison, WI, United States  
Lyamichev, Victor I., Madison, WI, United States  
Brow, Mary Ann D., Madison, WI, United States  
Dahlberg, James E., Madison, WI, United States  
PA Third Wave Technologies, Inc., Madison, WI, United States (U.S. corporation)  
PI US 6348314 B1 20020219  
AI US 1999-350309 19990709 (9)  
RLI Division of Ser. No. US 1996-756386, filed on 29 Nov 1996, now patented, Pat. No. US 5985557 Continuation-in-part of Ser. No. US 1996-682853, filed on 12 Jul 1996, now patented, Pat. No. US 6001567 Continuation-in-part of Ser. No. US 1996-599491, filed on 24 Jan 1996, now patented, Pat. No. US 5846717, issued on 8 Dec 1998

DT Utility  
FS GRANTED

EXNAM Primary Examiner: Campbell, Eggerton A.  
LREP Medlen & Carroll, LLP  
CLMN Number of Claims: 72  
ECL Exemplary Claim: 1  
DRWN 118 Drawing Figure(s); 90 Drawing Page(s)

09567863

LN.CNT 8623

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to means for the detection and characterization of nucleic acid sequences, as well as variations in nucleic acid sequences. The present invention also relates to methods for forming a nucleic acid cleavage structure on a target sequence and cleaving the nucleic acid cleavage structure in a site-specific manner. The structure-specific nuclease activity of a variety of enzymes is used to cleave the target-dependent cleavage structure, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 13 OF 19 USPATFULL on STN

AN 2002:9739 USPATFULL

TI Methods for **labeling** nucleotides, **labeled** nucleotides and useful intermediates

IN Houthoff, Hendrick Jan, Amsterdam, NETHERLANDS

Reedijk, Jan, Leiden, NETHERLANDS

Jelsma, Tinka, Almere, NETHERLANDS

Heetebij, Robert Jochem, Utrecht, NETHERLANDS

Volkers, Herman Hendricus, Monnickendam, NETHERLANDS

PA Kreatech Biotechnology B.V., Amsterdam, NETHERLANDS (non-U.S. corporation)

PI US 6338943 B1 20020115

WO 9815564 19980416

AI US 1999-402707 19991008 (9)

WO 1997-NL559 19971008

19991008 PCT 371 date

PRAI EP 1996-202792 19961008

DT Utility

FS GRANTED

EXNAM Primary Examiner: Sisson, Bradley L.

LREP Hoffmann & Baron, LLP

CLMN Number of Claims: 28

ECL Exemplary Claim: 1

DRWN 0 Drawing Figure(s); 0 Drawing Page(s)

LN.CNT 784

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides improved methods for **labeling** nucleotides. The method of the invention for **labeling** nucleotides comprises the steps of: reacting a reactive moiety of a linker, which linker is a **platinum** compound having a stabilizing bridge and two reactive moieties, with an electron donating moiety of a spacer, which spacer comprises a chain having at least four atoms and at least one heteroatom in the chain, which spacer further comprises said electron donating moiety at one end of the chain and a reactive moiety at the other end of the chain; reacting the reactive moiety of said spacer with a **label**; reacting the other reactive moiety of said linker with a **nucleotide**. A major advantage of the invention is that all nucleotides can be **labeled** by the method of the invention, whereas until now the attachment of a **label** was mostly restricted to one or certain nucleotides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 14 OF 19 USPATFULL on STN

AN 2001:93298 USPATFULL

TI Trans-**platinum** compound, and diagnostic kit

IN Houthoff, Hendrik-Jan, Amsterdam, Netherlands

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Reedijk, Jan, Leiden, Netherlands  
Volkers, Herman H., Monnickendam, Netherlands  
Heetebrij, Robert Jochem, Utrecht, Netherlands  
PA Kreatech Biotechnology B.V., Amsterdam, Netherlands (non-U.S.  
corporation)  
PI US 6248531 B1 20010619  
WO 9845304 19981015  
AI US 1999-402735 19991221 (9)  
WO 1998-NL206 19980409  
19991221 PCT 371 date  
19991221 PCT 102(e) date  
PRAI EP 1997-201066 19970410  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Riley, Jezia  
LREP Hoffmann & Baron, LLP  
CLMN Number of Claims: 34  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 520  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB ##STR1##The present invention is concerned with a trans-platinum based compound for use in a method for labelling a bio-organic molecule, having formula (I), wherein A represents a reactive moiety for attachment to a label, D represents a reactive moiety for attachment to a bio-organic molecule, and X<sub>1</sub> and X<sub>2</sub> represent the same or different inert moieties.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 15 OF 19 USPATFULL on STN  
AN 2000:91761 USPATFULL  
TI Cleavage agents  
IN Kaiser, Michael W., Madison, WI, United States  
Lyamichev, Victor I., Madison, WI, United States  
Lyamicheva, Natasha, Madison, WI, United States  
PA Third Wave Technologies, Inc., Madison, WI, United States (U.S.  
corporation)  
PI US 6090606 20000718  
AI US 1996-758314 19961202 (8)  
RLI Continuation-in-part of Ser. No. US 1996-756386, filed on 26 Nov 1996 which is a continuation-in-part of Ser. No. US 1996-682853, filed on 12 Jul 1996 which is a continuation-in-part of Ser. No. US 1996-599491, filed on 24 Jan 1996, now patented, Pat. No. US 5846717 which is a continuation-in-part of Ser. No. US 1996-756376, filed on 2 Dec 1996  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Jones, W. Gary; Assistant Examiner: Shoemaker, Debra  
LREP Medlen & Carroll, LLP  
CLMN Number of Claims: 24  
ECL Exemplary Claim: 6  
DRWN 144 Drawing Figure(s); 117 Drawing Page(s)  
LN.CNT 11295  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to means for the detection and characterization of nucleic acid sequences, as well as variations in nucleic acid sequences. The present invention also relates to improved cleavage means for the detection and characterization of nucleic acid sequences. Structure-specific nucleases derived from a variety of thermostable organisms are provided. These structure-specific nucleases are used to cleave target-dependent cleavage structures, thereby indicating the presence of specific nucleic acid sequences or specific

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variations thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 16 OF 19 USPATFULL on STN  
AN 2000:91698 USPATFULL  
TI Cleavage of nucleic acids  
IN Prudent, James R., Madison, WI, United States  
Hall, Jeff G., Madison, WI, United States  
Lyamichev, Victor I., Madison, WI, United States  
Brow, Mary Ann D., Madison, WI, United States  
Dahlberg, James E., Madison, WI, United States  
PA Third Wave Technologies, Inc., Madison, WI, United States (U.S.  
corporation)  
PI US 6090543 20000718  
AI US 1996-759038 19961202 (8)  
RLI Continuation-in-part of Ser. No. US 1996-756386, filed on 26 Nov 1996  
which is a continuation-in-part of Ser. No. US 1996-682853, filed on 12  
Jul 1996 which is a continuation-in-part of Ser. No. US 1996-599491,  
filed on 24 Jan 1996 76 Ser. No. US 1996-758314, filed on 2 Dec 1996  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Jones, W. Gary; Assistant Examiner: Shoemaker, Debra  
LREP Medlen & Carroll, LLP  
CLMN Number of Claims: 27  
ECL Exemplary Claim: 1  
DRWN 102 Drawing Figure(s); 117 Drawing Page(s)  
LN.CNT 11426

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to means for the detection and  
characterization of nucleic acid sequences, as well as variations in  
nucleic acid sequences. The present invention also relates to methods  
for forming a nucleic acid cleavage structure on a target sequence and  
cleaving the nucleic acid cleavage structure in a site-specific manner.  
The structure-specific nuclease activity of a variety of enzymes is used  
to cleave the target-dependent cleavage structure, thereby indicating  
the presence of specific nucleic acid sequences or specific variations  
thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 17 OF 19 USPATFULL on STN  
AN 1999:163423 USPATFULL  
TI Detection of nucleic acid sequences by invader-directed cleavage  
IN Brow, Mary Ann D., Madison, WI, United States  
Hall, Jeff Steven Grotelueschen, Madison, WI, United States  
Lyamichev, Victor, Madison, WI, United States  
Olive, David Michael, Madison, WI, United States  
Prudent, James Robert, Madison, WI, United States  
PA Third Wave Technologies, Inc., CA, United States (U.S. corporation)  
PI US 6001567 19991214  
AI US 1996-682853 19960712 (8)  
RLI Continuation-in-part of Ser. No. US 1996-599491, filed on 24 Jan 1996,  
now patented, Pat. No. US 5846717  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Arthur, Lisa B.; Assistant Examiner: Souaya, Jehanne  
LREP Medlen & Carroll, LLP  
CLMN Number of Claims: 15  
ECL Exemplary Claim: 1  
DRWN 66 Drawing Figure(s); 82 Drawing Page(s)  
LN.CNT 7836

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CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to means for the detection and characterization of nucleic acid sequences, as well as variations in nucleic acid sequences. The present invention also relates to methods for forming a nucleic acid cleavage structure on a target sequence and cleaving the nucleic acid cleavage structure in a site-specific manner. The 5' nuclease activity of a variety of enzymes is used to cleave the target-dependent cleavage structure, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof. The present invention further relates to methods and devices for the separation of nucleic acid molecules based by charge.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 18 OF 19 USPATFULL on STN  
AN 1999:155453 USPATFULL  
TI Detection of nucleic acids by multiple sequential invasive cleavages  
IN Hall, Jeff G., Madison, WI, United States  
Lyamichev, Victor I., Madison, WI, United States  
Mast, Andrea L., Madison, WI, United States  
Brow, Mary Ann D., Madison, WI, United States  
PA Third Wave Technologies, Inc., Madison, WI, United States (U.S.  
corporation)  
PI US 5994069 19991130  
AI US 1997-823516 19970324 (8)  
RLI Continuation-in-part of Ser. No. WO 1997-US1072, filed on 21 Jan 1997  
which is a continuation-in-part of Ser. No. US 1996-759038, filed on 2  
Dec 1996 And a continuation-in-part of Ser. No. US 1996-758314, filed on  
2 Dec 1996 which is a continuation-in-part of Ser. No. US 1996-756386,  
filed on 26 Nov 1996 which is a continuation-in-part of Ser. No. US  
1996-682853, filed on 12 Jul 1996 which is a continuation-in-part of  
Ser. No. US 1996-599491, filed on 24 Jan 1996 , said Ser. No. US 759038  
which is a continuation-in-part of Ser. No. US 1996-756386, filed on 26  
Nov 1996  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Jones, W. Gary; Assistant Examiner: Shoemaker, Debra  
LREP Medlen & Carroll, LLP  
CLMN Number of Claims: 34  
ECL Exemplary Claim: 1  
DRWN 169 Drawing Figure(s); 128 Drawing Page(s)  
LN.CNT 14892

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to means for the detection and characterization of nucleic acid sequences, as well as variations in nucleic acid sequences. The present invention also relates to methods for forming a nucleic acid cleavage structure on a target sequence and cleaving the nucleic acid cleavage structure in a site-specific manner. The structure-specific nuclease activity of a variety of enzymes is used to cleave the target-dependent cleavage structure, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof. The present invention further relates to methods and devices for the separation of nucleic acid molecules based on charge. The present invention also provides methods for the detection of non-target cleavage products via the formation of a complete and activated protein binding region. The invention further provides sensitive and specific methods for the detection of human cytomegalovirus nucleic acid in a sample.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 19 OF 19 USPATFULL on STN

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AN 1999:146257 USPATFULL  
TI Invasive cleavage of nucleic acids  
IN Prudent, James R., Madison, WI, United States  
Hall, Jeff G., Madison, WI, United States  
Lyamichev, Victor I., Madison, WI, United States  
Brow, Mary Ann D., Madison, WI, United States  
Dahlberg, James E., Madison, WI, United States  
PA Third Wave Technologies, Inc., WI, United States (U.S. corporation)  
PI US 5985557 19991116  
AI US 1996-756386 19961126 (8)  
RLI Continuation-in-part of Ser. No. US 1996-682853, filed on 12 Jul 1996  
which is a continuation-in-part of Ser. No. US 1996-599491, filed on 24  
Jan 1996, now patented, Pat. No. US 5846717  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Campbell, Eggerton A.  
LREP Medlen & Carroll, LLP  
CLMN Number of Claims: 20  
ECL Exemplary Claim: 1  
DRWN 87 Drawing Figure(s); 90 Drawing Page(s)  
LN.CNT 8630

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to means for the detection and characterization of nucleic acid sequences, as well as variations in nucleic acid sequences. The present invention also relates to methods for forming a nucleic acid cleavage structure on a target sequence and cleaving the nucleic acid cleavage structure in a site-specific manner. The structure-specific nuclease activity of a variety of enzymes is used to cleave the target-dependent cleavage structure, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.